

Industrial Hemp for use as an oilseed crop to produce Sustainable Aviation Fuel

Methane extracted from manure, and seawater to formulate a liquid
combustible to power jet engines

Hemp grows at the rate of 1 foot per month.
Needs little water.



Hempseed oil is combustible. Flammability tests show that it becomes combustible between 500 and 600 degrees Celsius. Magnesium in seawater is also combustible.

- FLAMMABILITY TESTS FOR HEMP SEED OIL Liviu Cătălin ȘOLEA, Lorena DELEANU “Dunărea de Jos” University, Faculty of Engineering, Galati, Romania corresponding author: csolea@ugal.ro ABSTRACT The objective of this study was to determine the lowest temperature at which hemp seed oil ignited (505°C) and also the highest temperature at which hemp seed oil did not ignite in at least three tests performed (500°C). The oil was tested on a cylindrical surface heated to various temperatures. A total of 16 tests were carried out to determine these two temperatures as accurately as possible. The tests were performed under the procedure complying with ISO 20823:2018, Petroleum and related products. Determination of the flammability characteristics of fluids in contact with hot surfaces. Manifold ignition test.

Internal combustion engines may be modified to burn hemp oil ethanol.

There are several methods of extraction including centrifuge, heat extraction and pressure.



Chevron, has 100 biomethane digesters in California and Texas to extract methane from cow manure.



United Airlines is committed to the use of Sustainable Aviation Fuel.

